
CIVIL ENGINEERING DISCIPLINE PROJECT: SOIL SCIENCE

Presented by FRC 6328 in
partnership with FRC 8604

6328

**MECHANICAL
ADVANTAGE**

LITTLETON, MA

8604



ALPHA CENTAURI



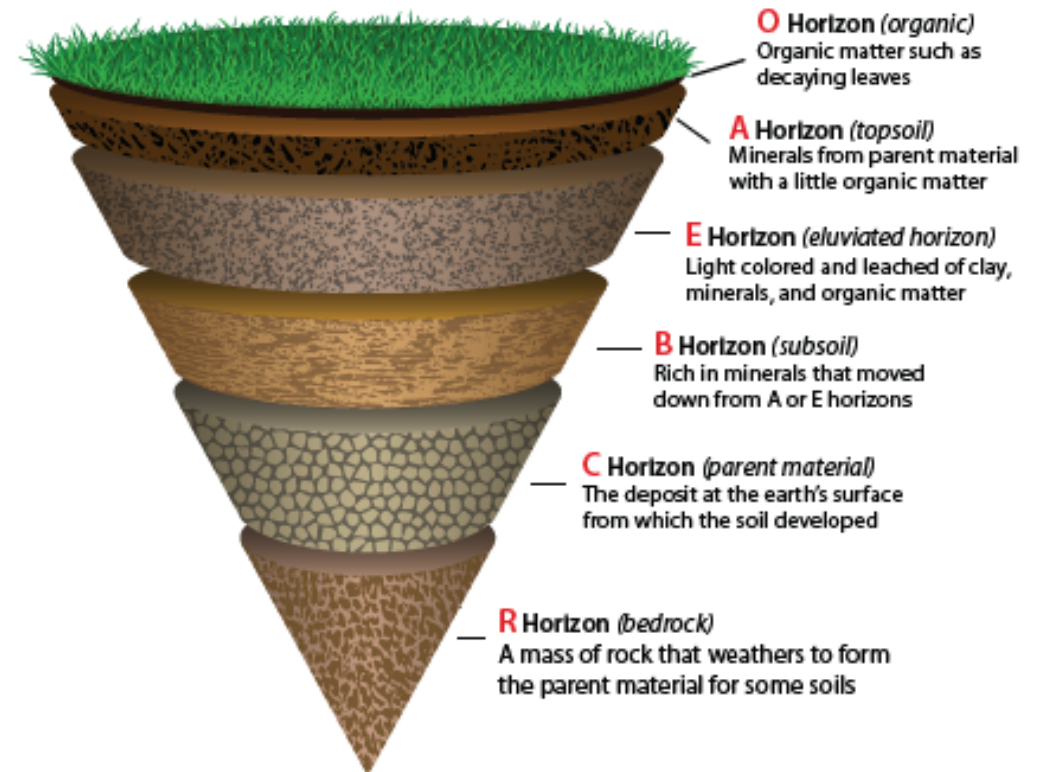


INTRODUCTION

We will be stepping into the role of civil engineers to learn more about soil science! You may look at soil and just think of it as a bunch of dirt, but there is so much more to soil! Soil is full of life and keeps ecosystems in balance.

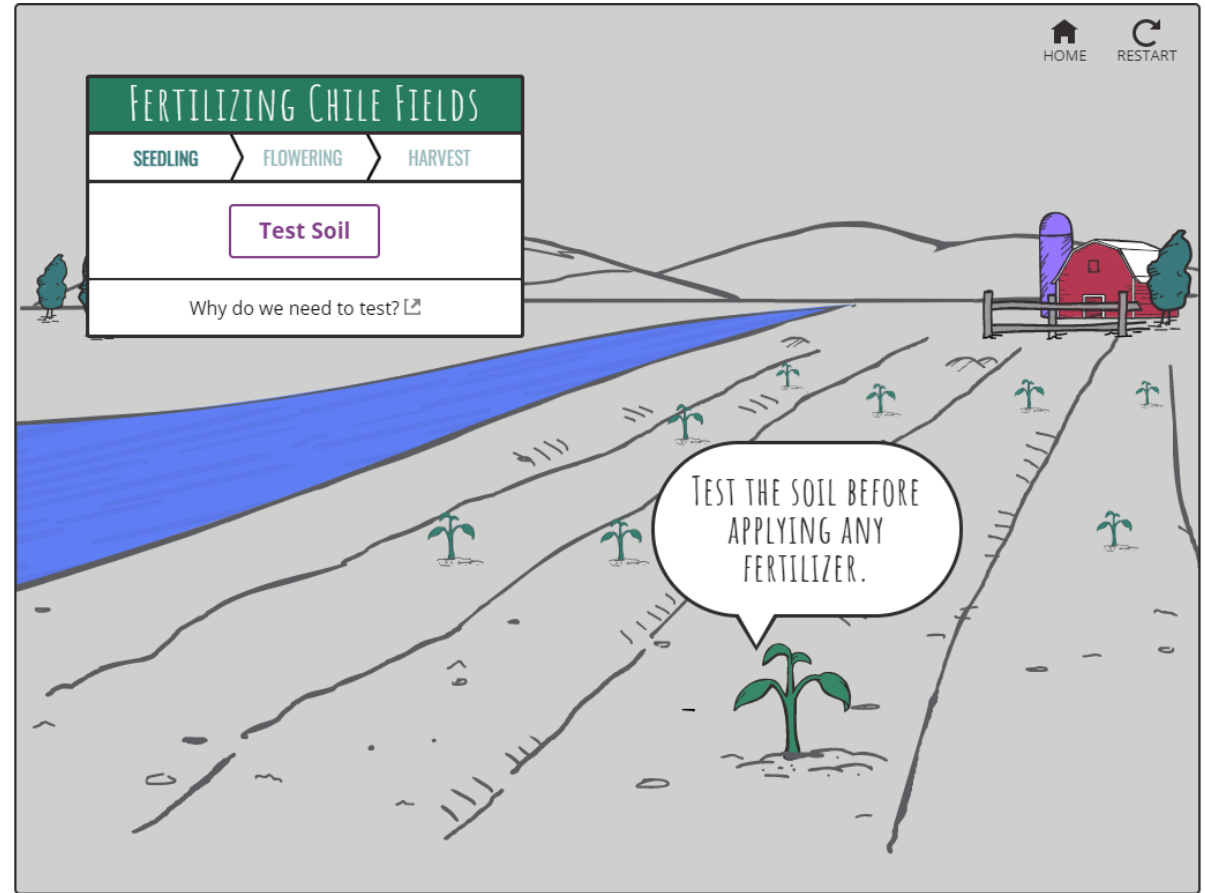
PART 1: LEARN THE BASICS

- Review the Soil Basics handout
- Review Soil Chemistry at <https://www.soils4teachers.org/chemistry>
- Answer questions on part 1 of the worksheet



PART 2: NITROGEN SOIL SIMULATOR

- Complete the nitrogen and soil simulator at <https://scienceofagriculture.org/nutritious-nitrogen/fertilizer.html>
- Answer questions on part 2 of the worksheet



PART 3: 10 MILL STREET SOIL

- Navigate to the UC Davis Soil Maps at <https://casoilresource.lawr.ucdavis.edu/gmap/>
- Look up 10 Mill Street in Lexington, MA near Minuteman High
- Fill out Part 3 of your worksheet by following along with the instructions

10 Mill Street

